EXAMINER'S AMENDMENT

1.   An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be

submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview

with Aly Z. Dossa (Reg No. 63,372) on 5/21/2010.

Please Amend the Claims as Follows:

1. (Currently Amended) A machine-implemented method, comprising:

establishing, within a global operating system environment provided by an

operating system, a non-global partition which serves to isolate processes

running within the non-global partition from at least one other non-global

partition within the global operating system environment, wherein each of

the non-global partitions share an operating system kernel with the global

operating system environment, and wherein each of the non-global

partitions comprises a distinct file system;

associating a first resource limit with the non-global partition, wherein the first

resource limit indicates a maximum amount of a particular resource that

may be allocated to the non-global partition;

associating a second resource limit with a first group of processes within the non-

global partition, wherein the second resource limit indicates a maximum

amount of the particular resource that may be allocated to the first group of processes; [[and]]

associating a third resource limit with a second group of processes within the non-global partition, wherein the third resource limit indicates a maximum amount of the particular resource that may be allocated to the second group of processes;

receiving a resource allocation request for the particular resource from a process of the first group of processes;

determining an amount of the particular resource that may be allocated by calculating an available amount of the particular resource, wherein if the resource allocation request is less than or equal to the available amount, then the amount is set to the amount specified in the resource allocation request, wherein calculating the available amount comprises:

calculating a first amount by subtracting a total amount of the particular resource currently in use by the non-global partition from the first resource limit;

calculating a second amount by subtracting a total amount of the particular resource currently in use by the first group of processes from the second resource limit; and

setting the available amount to the lower of the first amount and the second amount;

allocating the determined amount to the process of the first group of processes.

2. (Original) The method of Claim 1, wherein a global partition administrator sets the first resource limit.

3. (Previously Presented) The method of Claim 1, wherein a non-global partition administrator sets at least one selected from a group consisting of the second resource limit and the third resource limit.

4. (Cancelled)

5. (Cancelled)

6. (Currently Amended) The method of Claim [[5]] 1, wherein if the resource allocation request is greater than the available amount, then the determined amount is set to the available amount.

7. (Currently Amended) The method of Claim [[5]] 1, wherein if the resource allocation request is greater than the available amount, then the determined amount is set to zero.

8. (Cancelled)

9. (Currently Amended) A machine-readable storage medium having stored thereon at least a portion of an operating system the machine readable storage medium comprising:

   establishing, within a global operating system environment provided by an operating system, a non-global partition, which serves to isolate processes running within the non-global partition from at least one other non-global

partition within the global operating system environment, wherein each of the non-global operating system partitions share an operating system kernel with the global operating system environment, and wherein each of the non-global partitions comprises a distinct file system;

associating a first resource limit with the non-global partition, wherein the first resource limit indicates a maximum amount of a particular resource that may be allocated to the non-global partition;

associating a second resource limit with a first group of processes within the non-global partition, wherein the second resource limit indicates a maximum amount of the particular resource that may be allocated to the first group of processes; [[and]]

associating a third resource limit with a second group of processes within the non-global partition, wherein the third resource limit indicates a maximum amount of the particular resource that may be allocated to the second group of processes;

receiving a resource allocation request for the particular resource from a process of the first group of processes;

determining an amount of the particular resource that may be allocated by calculating an available amount of the particular resource, wherein if the resource allocation request is less than or equal to the available amount, then the amount is set to the amount specified in the resource allocation request, wherein calculating the available amount comprises:

calculating a first amount by subtracting a total amount of the particular

resource currently in use by the non-global partition from the first

resource limit;

calculating a second amount by subtracting a total amount of the particular

resource currently in use by the first group of processes from the

second resource limit; and

setting the available amount to the lower of the first amount and the

second amount;

allocating the determined amount to the process of the first group of processes.

10. (Original) The machine-readable medium of Claim 9, wherein a global administrator

sets the first resource limit.

11. (Previously Presented) The machine-readable medium of Claim 9, wherein a non-

global administrator sets at least one selected from a group consisting of the second

resource limit and the third resource limit.

12. (Cancelled)

13. (Cancelled)

14. (Currently Amended) The machine-readable medium of Claim [[13]] 9, wherein if the

resource allocation request is greater than the available amount, then the

determined amount is set to the available amount.

15. (Currently Amended) The machine-readable medium of Claim [[13]] 9, wherein if the resource allocation request is greater than the available amount, then the determined amount is set to zero.

16. (Cancelled)

17. ~~An apparatus~~ A system for implementing at least a portion of an operating system, comprising:

    a processor; and

    a memory, wherein the memory comprises computer readable code executable by the processor that, when executed by the processor, is configured to:

    ~~a mechanism for~~ establish[[ing]], within a global operating system environment provided by an operating system, a non-global partition, which serves to isolate processes running within the non-global partition from at least one other non-global partition within the global operating system environment, wherein each of the non-global partitions share an operating system kernel with the global operating system environment, and wherein each of the non-global partitions comprises a distinct file system;

    ~~a mechanism for associating~~ associate a first resource limit with the non-global partition, wherein the first resource limit indicates a maximum amount of a particular resource that may be allocated to the non-global partition;

    ~~a mechanism for associating~~ associate a second resource limit with a first group of processes within the non-global partition, wherein the second resource

limit indicates a maximum amount of the particular resource that may be allocated to the first group of two or more processes; and

~~a mechanism for associating~~ associate a third resource limit with a second group of processes within the non-global partition, wherein the third resource limit indicates a maximum amount of the particular resource that may be allocated to the second group of processes;

receiving a resource allocation request for the particular resource from a process of the first group of processes;

determining an amount of the particular resource that may be allocated by calculating an available amount of the particular resource, wherein if the resource allocation request is less than or equal to the available amount, then the amount is set to the amount specified in the resource allocation request, wherein calculating the available amount comprises:

calculating a first amount by subtracting a total amount of the particular resource currently in use by the non-global partition from the first resource limit;

calculating a second amount by subtracting a total amount of the particular resource currently in use by the first group of processes from the second resource limit; and

setting the available amount to the lower of the first amount and the second amount;

allocating the determined amount to the process of the first group of processes.

18. (Currently Amended) The ~~apparatus~~ system of Claim 17, wherein a global administrator sets the first resource limit.

19. (Currently Amended) The ~~apparatus~~ system of Claim 17, wherein a non-global administrator sets the second resource limit and the third resource limit.

20. (Cancelled)

21. (Cancelled)

22. (Currently Amended) The ~~apparatus~~ system of Claim [[21]] 17, wherein if the resource allocation request is greater than the available amount, then the determined amount is set to the available amount.

23. (Currently Amended) The ~~apparatus~~ system of Claim [[21]] 17, wherein if the resource allocation request is greater than the available amount, then the determined amount is set to zero.

24. (Cancelled)

-- END OF AMENDMENT --

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ERIC C. WAI whose telephone number is (571)270-1012. The examiner can normally be reached on Mon-Fri, 9am-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng - Ai An can be reached on 571-272-3756. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Meng-Ai An/   /Eric C Wai/
Supervisory Patent Examiner, Art Unit 2195   Examiner, Art Unit 2195